

B6 C1
1. (Amended) An electromagnetic radiation therapy system comprising means for emitting narrow band divergent electromagnetic radiation at a wavelength centered at, or about, 1072nm and/or at a wavelength centered at, or about, 1268nm, the system being capable of producing, at the site being treated, a radiation intensity of at least 50 μ Watts/cm² and up to 2 Watts/cm².

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(Please delete Claims 2-4.)

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5. (Twice Amended) An electromagnetic radiation therapy system according to Claim 1 wherein the half angle divergence of the electromagnetic radiation is in the range 15° to 45°.

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6. (Twice Amended) An electromagnetic radiation therapy system according to Claim 1 wherein the electromagnetic radiation is continuous or pulsed.

7. (Twice Amended) An electromagnetic radiation therapy system according to Claim 1 wherein the electromagnetic radiation is continuous, and the intensity is at least 50 μ Watts/cm² for treatment of eyes and mucous membranes and up to 2 Watts/cm².

8. (Twice Amended) An electromagnetic radiation therapy system according to Claim 1 wherein the electromagnetic radiation is continuous, and the intensity is at least 500 μ Watts/cm² for treatment of skin and up to 2 Watts/cm².

9. (Twice Amended) An electromagnetic radiation therapy system according to Claim 1 wherein the electromagnetic radiation is pulsed, and the intensity is at least 50 μ Watts/cm² peak power for treatment of eyes and mucous membranes and the average power is up to 2 Watts/cm².

10. (Twice Amended) An electromagnetic radiation therapy system according to Claim 1 wherein the electromagnetic radiation is pulsed, and the intensity is at least 500 μ Watts/cm² peak power for treatment of skin and the average power is up to 2 Watts/cm².

11. (Twice Amended) An electromagnetic radiation therapy system according to Claim 1 wherein the electromagnetic radiation is pulsed, and the average power of the pulsed electromagnetic radiation intensity is in the region of 50-100 μ Watts/ cm².

12. (Twice Amended) An electromagnetic radiation therapy system according to Claim 1 wherein the electromagnetic radiation is pulsed, and the pulsed electromagnetic radiation is applied for periods of at least 10-15 μ seconds.

13. (Twice Amended) An electromagnetic radiation therapy system according to Claim 1 wherein the electromagnetic radiation is pulsed, and the pulsed electromagnetic radiation is applied at a frequency/repetition rate in the range 480-800 Hz.

14. (Amended) An electromagnetic radiation therapy system according to Claim 13 wherein the frequency/repetition rate is at, or about, 600 Hz.

15. (Twice Amended) An electromagnetic radiation therapy system according to Claim 1 wherein the electromagnetic radiation is pulsed, and the pulsed electromagnetic radiation is applied to the affected area for at least 30 seconds and up to 15 minutes.

20. (Twice amended) An electromagnetic radiation therapy system according to Claim 1 further including means for controlling the duration of the application of the radiation.